

**SPRAYON PRODUCTS (PTY) LTD**

**MATERIAL SAFETY DATA SHEET**

**1. PRODUCT AND COMPANY IDENTIFICATION:**

Product name: Spray Contact Adhesive  
Code: SCA1

Chemical abstract no: Mixture  
Chemical family: Solvent mixture  
NIOSH no: Unknown  
Chemical name: Mixture  
Hazchem code: Unknown  
Synonyms: None  
UN no: 2929 Toxic liquid, organics, NOS

Company Identification: Sprayon Products (Pty)Ltd  
222 2<sup>nd</sup> Street  
Wynberg Gauteng  
South Africa

Emergency Contact No's: (2711) 440-2202

<b>BASE</b>	<b>COLOUR</b>	<b>SOLVENT</b>	<b>SOLIDS</b>	<b>DENSITY</b>	<b>PACKAGING</b>
Propane/Butane	GAS	Chlorinated	GAS	50%	350ml Tins
Synthetic Rubber	Clear	Solvent	HIGH	50%	
Solvents		Acetone/Hexane		37%	
Elastomer				63%	

**2. GENERAL DATA AND CHEMICAL PROPERTIES:**

Total Solids: 65%  
Viscosity: 995-1100 cps (#2 spindle-speed12)  
Typical Specific Gravity: 1.13 – 1.16kg/l

**3. HAZARDS IDENTIFICATION**

**Main Hazard: Toxic**

Additional Hazards: Closed containers exposed to heat from fire may build pressure and explode. Aerosol containers contain flammable material under pressure. Aerosol containers contain flammable gas under pressure. Flammable liquefied gas may cause target organ effects.

Health effects: Irritant to eyes

Irritant on skin. Prolonged or repeated exposure may cause: Mild skin irritation, localized redness, swelling and itching. May be absorbed through the skin.

Hazardous ingestion: may be fatal if swallowed. Upper respiratory tract irritation. Cough, sneezing, nasal discharge, headache, hoarseness, nose, and throat pain.

Hazardous inhalation: vapors cause drowsiness/dizziness. Disorientation and/or vertigo.

High concentrations of gas/vapors cause asphyxia and narcosis. Respiratory system irritant.

Aggravating conditions: Central Nervous System (CNS)  
Depression: Signs/symptoms may include headache, dizziness, drowsiness, nausea, slowed reaction time, slurred speech, giddiness and unconsciousness.

Repeated or prolonged exposure may cause: Liver effects, may include loss of appetite, weight loss, fatigue, weakness, abnormal tenderness, and jaundice.

Peripheral Neuropathy includes tingling or numbness of the extremities, in-coordination, weakness of the hands and feet, tremors, and muscle atrophy.

Kidney effects – reduced urine production, increased serum creatinine, lower back pain, increased protein in urine and increased blood in urea nitrogen.

#### 4. **FIRST-AID MEASURES:**

Products in eye: Remove any contact lenses from the eyes before rinsing thoroughly with plenty of water (lift eye lids). Rinse for at least 15 minutes. Seek medical attention if any discomfort.

Product on skin: Wash skin with soap and water. Seek medical attention if irritation persists.

Product ingested: Do not induce vomiting. Seek medical attention immediately.

Products inhaled: Move to fresh air and seek medical if nausea and dizziness persists.

#### 5. **FIRE-FIGHTING MEASURES:**

Extinguishing media: Water, dry chemical powder, foam, carbon dioxide or sand.

Special hazards: In case of fire, hazardous combustion-gases are formed – CO Toxic vapors may be released. Cool containers exposed to flames with water until well after the fire is

Protective clothing: out. Vapors accumulation could flash and/or explode if ignited.  
In case of fire, wear respiratory protection such as NIOSH approved breathing equipment.

## 6. **ACCIDENTAL RELEASE MEASURES:**

Personal precautions: Wear NIOSH approved self-contained breathing apparatus.  
Environmental precautions: Avoid contamination of ground and water surfaces.  
Small spills: If recovery is not feasible, absorb dry sand, soil or non-reactive absorbent material or coagulate by sprinkling sodium chloride over spill. If products has dried, scrape off the ground. Place in a container suitable for disposal.  
Large spills: Stop leak if without risk. Ventilate area. Prevent entry into drains or sewers. Clean as per small spills.

## 7. **HANDLING AND STORAGE:**

Suitable material: Steel containers. PVC containers.  
Storage precautions: Keep product in a sealed container at temperatures between 5°C and 30°C. Minimize contact with atmosphere to reduce solvent evaporation. Avoid heat, sparks, open flames and static.

## 8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION;**

Occupational exposure limits:

NAME	TWA - 8HRS	STEL - 15MIN
Cyclohexane	100 ppm	300 ppm
Hexane	50 ppm	50 ppm
N Hexane	500 ppm	1000 ppm
Propane	2500 ppm	1000 ppm

Engineering controls: Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above. Ventilation must be explosive proof. Use with functioning spray booth or local exhaust. Do not use it in a confined space. Use a mask if sensitive to airborne exposures. Use in areas where there is movement of air.  
Respiratory protection: Not required under normal conditions of use in well-ventilated space.  
Hand protection: Rubber gloves should be used if there is a risk of direct contact with the skin.  
Eye protection: Safety glasses should be worn.

Skin protection:	Observe the usual precautions when handling chemicals. Remove soiled or soaked clothing immediately.
Other protection:	Wash hands at the end of each work shift and before eating.

## 9. STABILITY AND REACTIVITY:

Conditions to avoid:	Prolonged exposure to air will result in solvent evaporation and gelation of product. Avoid temperature extremes: below 5°C and above 30°C.
Incompatible materials:	Organic solvents, strong acids, strong alkalis, salts. Reactive with oxidizing agents.
Hazardous decomp:	Carbon monoxide, Hydrogen Chloride gas and Phosgene.

## 10. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Aerosol
Colour:	Clear
Odour:	Sweet cooler odour
Vapor Density:	2.97 (Ref Std: AIR=1)
Vapor pressure:	Not available.
Evaporation rate:	1.90 (Ref Std: Ether1)
Solubility	Not soluble in water.
Flash Pont:	Low
Specific Gravity:	0.726 (Ref Std: Water=1)
Hazardous Air Pollutants:	0.4% Weight
Hazardous Air Pollutants:	0.007kg HAPS/kh solids
Hazardous Air Pollutants:	0.009kg HAPS/gal (test method calculated.
Volatile Organic Compounds:	Approximately 51% (Calculated SCAQMD rule 443.1)
% Volatile:	Less = 75% Weight
VOC Less H2ON & Exempt Solvents –	468g/l

## 11. TOXICOLOGICAL INFORMATION:

Acute toxicity:	Acute oral toxicity (LD50): 2.1-44g/kg (rat) (Methylene Chloride)
Skin and eye contact:	Transitory irritation (exposure to vapors). Severe irritation, superficial lesion of cornea, recovery without after-effects (direct contact with liquid). Repeated contact with skin may cause dermatitis (Methylene Chloride)
Chronic toxicity:	Target organs at high concentrations: Central nervous system, hemoglobin, liver, kidney. Maximum concentration with no effect: 100ppm/2years/ inhalation / Rodent (methylene).
Carcinogenicity:	Absence of casual relationships between incidence of cancer and exposure to product in epidemiological studies. Experimental effects on animals: Exposure to vapors: Tumors inducing effects on liver and lungs observed at high doses in rats and mice ae specific to

	these animal species and are considered unsuitable for extrapolation to man: 2000 – 4000ppm/mouse/2years (Methylene Chloride).
Mutagenicity:	Genotoxicity not demonstrated (in vivo) (Methylene Chloride)
Reproductive hazards:	Foetal development: Absence of toxic effects for foetal development at non-toxic material doses (Rodent/Inhalation). Fertility: Absence of toxic effects on fertility (rat/inhalation) (Methylene Chloride).

## **12. ECOLOGICAL INFORMATION:**

Aquatic toxicity – fish:	Slightly harmful to fish: LC50,96h = (193-510) mg/l (Methylene Chloride)
Aquatic toxicity- daphnia:	Slightly harmful to daphnia: EC(I)50,48h = (135-1682) mg/l (methylene Chloride)
Aquatic toxicity – algae:	Slightly harmful to algae: IC50,96h (selenastrum capricornutum) . 660mg/l (methylene chloride)
Biodegradability:	Not readily bio gradable: 5-26% agter 28d (in water) (Methylene Chloride).
Bioaccumulation:	Practically not bioaccumable: log Pow = 1.3 (Methylene Chloride)
Mobility:	Rapid evaporation: t1/2 life = 3-5.6h (Methylene Chloride)

## **13. DISPOSABLE CONSDERATIONS:**

Disposal methods:	Whatever cannot be saved for recovery or recycling should be handled according to current local waste disposal legislation. Do not allow to enter drains or sewers. Do not allow to enter any body of water.
Disposal of packaging:	Contaminated packaging should be emptied as fas as possible and after appropriate cleaning may be taken for reuse of disposal of in and approved facility.

## **14. TRANSPORT REGULATIONS:**

UN no:	2929, toxic liquid, organic, NOS
Substance identity no:	2929, toxic liquid, organic, NOS
Danger symbol:	Xn
(Land) ADR/RID class:	Class 6.1,
ADR/RID item no:	Unknown
ADR/RID hazard identity no:	Unknown
(SEA) IMDG – Shipping name:	2929, toxic liquid, organic, NOS – IMDG-class: Class 6.1
IMDG packaging group:	I
IMDG – marine pollutant:	Unknown
IMDG – EMS no:	Unknown
IMDG – MFAG table no:	Unknown
(Air) IATA – Shipping name:	2929, toxic liquid, organic, NOS
IATA – Class:	Unknown
IATA-subsidiary risk(s):	Unknown
ADNR-Class:	Unknown
UK-description:	Unknown
UK-emergency action class:	Unknown

UK-classification:  
Tremcard no:

Unknown  
Unknown

**15. RISK:**

Non-Flammable  
Irritant to eyes, skin.

**16. OTHER INFORMATION:**

The information provided in this Material Safety Data Sheet is based on the present state of our knowledge.

This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Recipients of our products must take responsibility for observing existing laws and regulations.